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DECLARATION

As the below-named inventor, I declare that:


My residence, post office address, and citizenship are as stated below under my name.

I believe I am the original, first, and sole inventor of the invention entitled "GROUP A STREPTOCOCCAL VACCINES," which is described and claimed in the specification and claims of Patent Application No. 09/151,409, which I filed in the United States Patent and Trademark Office on September 10, 1998, which application claims the benefit of U.S. Provisional Application 481112.410P1, filed September 12, 1997, and for which a patent is sought.

I have reviewed and understand the contents of the above-identified specification and claims, as amended by any amendment specifically referred to herein (if any).

I acknowledge my duty to disclose information of which I am aware which is material to the patentability and examination of this application in accordance with 37 C.F.R. § 1.56(a).

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that the making of willfully false statements and the like is punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and may jeopardize the validity of any patent issuing from this patent application.


James B. Dale

Date Nov 16, 1998

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